



Iowa Crop Progress & Condition

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Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending August 16, 2020
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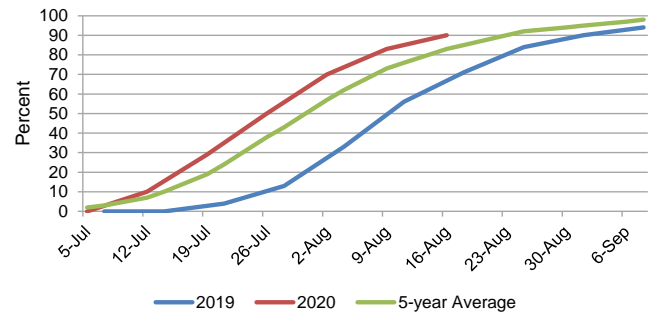
A derecho blew across Iowa but farmers had **5.7 days suitable for fieldwork** during the week ending August 16, 2020, according to the USDA, National Agricultural Statistics Service. Dry conditions continued to be a concern for most of the State. High winds experienced on Monday caused considerable damage to on- and off-farm grain storage in their path as well as other structures. The level of crop damage reported varied widely depending on location and wind strength.

Topsoil moisture condition rated 20% very short, 36% short, 42% adequate and 2% surplus. The State's topsoil moisture condition remained over half short to very short although it improved slightly. **Subsoil moisture** condition rated 17% very short, 36% short, 46% adequate and 1% surplus. The State's subsoil moisture condition also remained over half short to very short.

Corn was 81% in the dough stage or beyond, almost 2 weeks ahead of the previous year and 5 days ahead of the 5-year average. Just over one-quarter of the corn crop is in or beyond dent stage, 11 days ahead of the previous year and 3 days ahead of average. Corn condition rated 59% good to excellent, a drop of 10 percentage points from the previous week and the lowest level this crop season. **Soybeans** were 97% blooming or beyond, 3 days ahead of average. Soybeans setting pods were over 2 weeks ahead of last year and 1 week ahead of average at 90%. Soybean condition fell again this week, and the crop is now rated 62% good to excellent, the lowest level so far this season. Only 3% of **oats** remain to be harvested for grain, 2 days ahead of both last year and the average.

Alfalfa hay second cutting was 97% complete, 4 days ahead of last year but 1 day behind the 5-year average. Just over half of the third cutting is complete, 10 days ahead of the previous year. **Pasture condition** fell to just 33% good to excellent.

Soybeans Setting Pods - Iowa
For the Third Week of August



Crop Condition as of August 16, 2020

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	7	10	24	50	9
Soybeans	4	8	26	53	9
Pasture and range	8	18	41	30	3

Crop Progress as of August 16, 2020

Item	Districts									State			
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	5-yr average
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Corn dough	81	89	77	87	81	74	87	73	69	81	66	54	72
Corn dented	31	20	23	33	33	22	34	14	11	26	9	5	19
Hay, alfalfa, second cutting	100	99	97	100	99	99	99	94	91	97	94	95	98
Hay, alfalfa, third cutting	71	60	57	62	64	57	53	28	50	51	37	33	52
Oats harvested for grain	99	99	97	97	98	98	85	99	95	97	94	95	96
Soybeans blooming	99	100	99	99	93	95	96	94	90	97	94	91	95
Soybeans setting pods	95	99	92	94	88	85	80	83	81	90	83	67	83

Days Suitable for Fieldwork and Soil Moisture Condition as of August 16, 2020

Item	Districts									State		
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year
	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)
Days suitable	6.0	6.2	5.8	5.3	4.8	5.1	6.2	6.4	5.7	5.7	6.4	5.5
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	22	7	12	45	19	16	8	31	19	20	22	6
Short	44	36	40	36	37	29	42	34	18	36	39	25
Adequate	33	57	44	19	44	55	44	35	57	42	38	67
Surplus	1	0	4	0	0	0	6	0	6	2	1	2
Subsoil moisture												
Very short	14	6	8	40	18	19	9	27	9	17	16	4
Short	46	31	38	41	35	28	45	35	22	36	37	23
Adequate	39	63	51	19	47	53	41	38	63	46	46	71
Surplus	1	0	3	0	0	0	5	0	6	1	1	2

IOWA PRELIMINARY WEATHER SUMMARY

Provided by Justin Glisan, Ph.D., State Climatologist
Iowa Department of Agriculture and Land Stewardship

Reports from the Iowa Department of Agriculture and Land Stewardship and maps from the Midwestern Regional Climate Center reflect data collected from 7:00 A.M. Central Time on August 3, 2020, through 7:00 A.M. Central Time on August 10, 2020.

A powerful line of severe thunderstorms, known as a derecho, brought widespread agricultural and structural damage across rural and urban areas of Iowa on Monday, August 10. Moderate to heavy rain also fell along the path of the derecho with scattered thunderstorms over the next few days. Dryness persisted around much of the state with deficits on the order of an inch. Sections of central Iowa reported up to an inch of above average rainfall with locally higher amounts. Slightly warmer conditions were also observed across much of Iowa with the statewide average temperature of 72.9 degrees, 1.1 degree above normal.

Thunderstorms moved through eastern Iowa during the late afternoon hours on Sunday (9th) before clearing the state. Behind the system, cloud cover cleared with a southerly wind pushing daytime highs into the upper 80s and low 90s. Rain totals were heaviest in northwest Iowa with widespread amounts above 0.50 – 0.75 inch. A handful of stations also reported totals above one inch with Guttenberg Lock and Dam (Clayton County) reporting 1.32 inches. Monday (10th) will go down as a significant weather day in state history. A derecho, which is a convectively initiated straight-line windstorm, propagated through Iowa's central west-to-east corridor. This derecho was one of the strongest and most widespread to hit Iowa. Damage to crops, grain bins and structures was catastrophic with millions of acres of damaged corn and soybeans. Urban areas from Des Moines (Polk County), Cedar Rapids (Linn County) to the Quad Cities reported substantial and long lasting power outages along with severe damage to trees and structures from extremely strong sustained winds. Preliminary wind gusts along the derecho's path ranged from 58 mph to well over 100 mph; according to the National Weather Service, "maximum recorded wind speeds were around 110 mph over portions of Benton and Linn Counties in eastern Iowa." Midway (Linn County) observed the fastest wind speed of 112 mph. Moderate to heavy rain fell across sections of Iowa with general totals above 0.50 inch and locally heavier amounts in eastern Iowa; a rain gauge in Hopkinton (Delaware County) recorded 2.23 inches while the statewide average was 0.40 inch. Calm conditions returned on Tuesday (11th) with sunny skies and afternoon temperatures in the low 80s.

Overnight lows on Wednesday (12th) were also comfortable, ranging from the upper 50s north to upper 60s south. Light showers moved into western Iowa over the early morning hours, then into portions of west-central Iowa before dissipating later in the day; rain amounts were under a tenth of an inch. Warm and humid conditions built back in to the state with highs reaching into the upper 80s under hazy skies. Morning lows remained warmer than average, by up to nine degrees in western Iowa, dropping only into the low 70s. Thursday (13th) was another warm day with highs in the mid to upper 80s; some 90 degree readings were observed in southern Iowa. Skies were clear to mostly sunny with a few passing cumulus clouds and a southerly wind. Conditions on Friday (14th) were near seasonal, generally in the mid-80s. A cold front slowly moved into Iowa during the later afternoon and evening hours, bringing a few stronger storms into western Iowa. The front re-fired showers and thunderstorms from the northeast into central Iowa overnight into Saturday (15th). The highest totals were reported in Des Moines, ranging from 0.80 to 1.22 inches. Widespread rain also fell through northeastern Iowa, though common totals were around a few tenths of an inch. Northerly winds, sunny skies and highs in the upper 70s and low 80s lent to a very pleasant day. Overnight lows into Sunday (16th) were cooler than average, in the mid 50s to low 60 with the statewide average low of 55 degrees, five degrees below normal.

Weekly precipitation totals ranged from no accumulation at several stations in southwest Iowa to 2.40 inches in Story City (Story County). The statewide weekly average precipitation was 0.67 inch while the normal is 0.96 inch. Burlington Municipal Airport (Des Moines County) reported the week's high temperature of 94 degrees on the 10th, 9 degrees above normal. Spencer Municipal Airport (Clay County) reported the week's low temperature of 48 degrees on the 15th, 11 degrees below normal.

Average Temperature (°F): Departure from 1981-2010 Normals
August 10, 2020 to August 16, 2020

